

User Guide

cinemizer

looking for adventure



ZEISS

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cinemizer

Congratulations on the purchase of your cinemizer high-quality video eyewear. It was developed by Carl Zeiss AG to meet the highest optical demands.

These video glasses are your personal portable cinema. Enjoy your movies anywhere – on the go, at home and even in bright surroundings.

The video glasses are easy to use: Simply connect them to a video-capable iPod, multimedia player, DVD player or a game console and you're ready to enjoy!

What makes the video glasses unique is their high resolution and the innovative Zeiss technology. These video glasses simulate a 115 cm (45") diagonal screen at a distance of 2 meters and thus offer you an unparalleled home cinema experience in the video glasses.

Caution: Please read this user manual before using the video glasses for the first time to ensure trouble-free use of this high-quality device. Keep the user manual in a safe place for future reference. Please also read the additional safety information in the „Safety and Handling“ chapter as well as the documentation for the devices that you connect to your video glasses.



Warning: Please observe the warnings to avoid injuries.

Note: Please observe the instructions to avoid damaging the cinemizer.



Safety and Handling



Remove the video glasses immediately if you get a headache. Avoid using the video glasses for longer periods of time at high audio volumes. In extreme cases, this can lead to irreparable hearing damage. Consult a physician if necessary.

In particular cases, some people may experience epileptic seizures or impaired consciousness if they are exposed to certain flashing lights or light effects. These persons could possibly suffer a seizure under such conditions. Even persons with no prior medical history of epilepsy and who have never had an epileptic seizure before may also be affected by this. If you or a family member has ever had symptoms that could possibly be associated with epilepsy (such as seizures or impaired consciousness) when exposed to flashing lights, please consult your physician before using the cinemizer. If you experience symptoms such as dizziness, impaired vision, twitching eyes or muscles, loss of consciousness, disorientation or any kind of involuntary movements or cramps while using a computer or video game, switch off the device immediately and consult a physician before you resume using the video glasses.



The video glasses isolate you from your immediate surroundings while you use them. You should therefore only use them when you feel absolutely secure in your surroundings and do not have to react to external influences. Never wear the video glasses in situations which require your attention,

e.g. walking, riding a bike or driving a motorcycle, automobile or other vehicle.



Make sure you run the cables from the playback device to the video glasses in a safe manner to avoid accidents.



Do not drop the video glasses. Do not use force to open, break or bend the video glasses. Do not throw the video glasses into an open fire and do not insert any objects into the device.



Avoid touching the optical surfaces of the video glasses and protect these from fingerprints, dirt and dust.



You can connect an iPod with video capability to the battery box of your video eyewear. In this case, it can generate heat when used over longer periods of time (especially when connected to the battery box). However, this warming is within the operating conditions specified by Apple when the iPod with video is in proper working order.

Storage and Transport



Only use the video glasses in a temperature range between 5 °C and 35 °C. The battery run time will be temporarily reduced if used at lower temperatures. Store the video glasses in a temperature range between -20 °C and 45 °C. Do not leave the video glasses in a parked vehicle as this may exceed the temperature range. Observe these environmental conditions when operating, storing and



Caution: Failure to observe the following safety and handling information can lead to electrical damage, damage to system components or injuries.

transporting, and avoid fluctuations in temperature and humidity.

- ➔ Do not allow the video glasses to come into contact with liquids. The video glasses are neither water-resistant nor waterproof. Therefore, do not use in rain Nor damp environments. Should the video glasses be exposed to moisture, turn them off completely and disconnect them from the playback device. Allow the device to dry completely before turning it on again. Do not attempt to dry the video glasses with an external source of heat, e.g. in a microwave oven or with a hair dryer.

Repair

- ➔ Never attempt to repair or tamper with the video glasses or the accessories yourself. Have the video glasses and accessories serviced and repaired by an authorized specialist.
You can find an overview of service centers at: www.zeiss.com/cinemizer


Battery

- ➔ The integrated battery is rechargeable. It must be replaced only by an authorized specialist. Standard batteries cannot be used with the cinemizer.
Do not connect the poles of the battery as this can cause a short circuit. Do not charge the battery at temperatures exceeding the above-mentioned operating temperatures (not even next to an open fire or under strong solar radiation). Only use a charger that meets the device specifications.


Cleaning the cinemizer

- ➔ Before cleaning the video glasses, be sure to turn off the video glasses completely and disconnect the cable from the playback device or remove the iPod from the clip on the battery box. Do not clean the video glasses with liquids containing solvents. Use a clean microfiber cleaning cloth for all surfaces as you would for cleaning eyeglasses. Be sure to remove dust particles from the viewing openings when cleaning them.

Approval Regulations for Europe

- ➔  Regarding safety, this pair of video glasses left the factory in perfect condition. It meets the requirements on electromagnetic compatibility in accordance with directive 2004/108/EC and bears the CE label. The device can turn off by itself as a result of electrostatic discharge. It can be used after turning it on again.

Approval Regulations for the USA and Canada

- ➔  This device complies with Part 15 of the FCC Rules and meets all requirements of the Canadian Interference-Causing Equipment Regulations (ICES-003).
These limits are designed to provide reasonable protection against harmful interference in a residential installation. This device generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instruc-

tions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this device does cause harmful interference to radio or television reception, which can be determined by turning the device on and off, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the device and the receiver.
- Connect the device into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/T.V. technician for help.



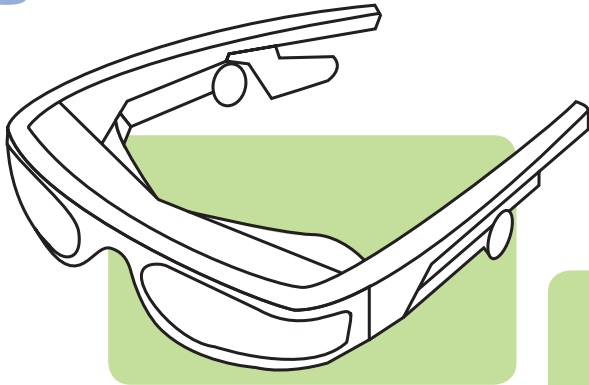
Carl Zeiss AG is not responsible for any radio or television interference caused by unauthorized modifications of this device or the substitution or attachment of connecting cables and equipment other than those specified by Carl Zeiss AG. The correction of interference caused by such unauthorized modification, substitution or attachment will be the responsibility of the user.

The use of shielded I/O cables is required when connecting this device to any and all optional peripheral or host devices. Failure to do so may violate FCC and ICES rules.

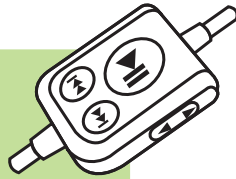
Disposal

Dispose of the video glasses with accessories properly according to the legal requirements for electronic devices in your country. Do not dispose of in household waste. You can learn more about the proper disposal and recycling options available from your local public authorities.

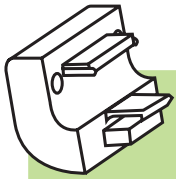




Video glasses



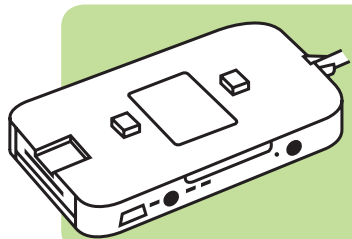
Key pad



iPod connector



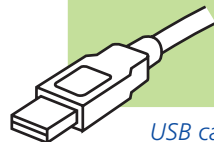
Nose pad



Battery box



iPod clip



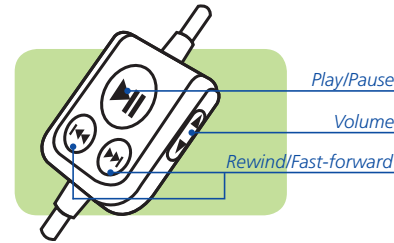
USB cable

cinemizer: Overview

Using the Remote Control

Play/Pause/Test picture

Start the video by pressing the play button. You can then stop the video by briefly pressing the Play/Pause button on the remote control. Press the button again to resume the video. Press and hold the Play/Pause button for five seconds to display a test picture for diopter adjustment.



Fast Forward/Rewind

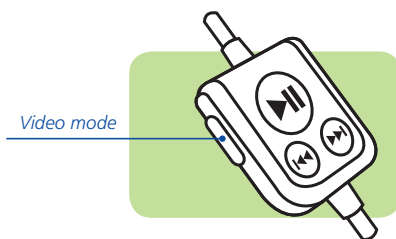
You can fast forward/rewind the video using the Fast forward/Rewind buttons on the remote control.

Volume

You can adjust the volume of the video using the volume control buttons on the side of the remote control. The last active volume setting is stored until the video glasses are used again. You can also control the volume via the click wheel on your iPod with video. An optical message is displayed on the screen when you change the volume.



Note: You can find important information on preventing hearing damage in the „Safety and Handling“ chapter.



Video Mode

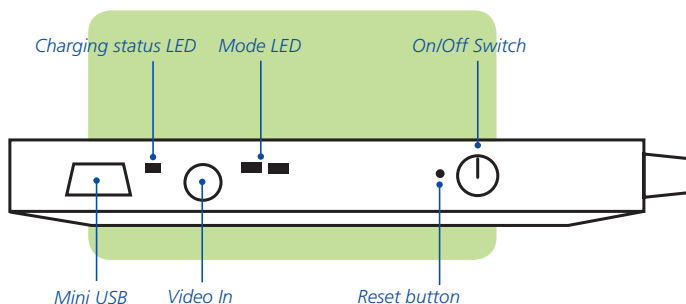
Use the Video Mode button to adjust the brightness and contrast to ambient lighting levels or video content. Select from three different preset brightness/contrast settings by quickly pressing the button repeatedly.

You can switch between 2D and 3D mode using the second assignment of the video mode button by pressing and holding it. The active mode is indicated by the corresponding LED on the battery box. Special 3D videos are required for the 3D mode. For detailed information, please visit the cinemizer website at www.zeiss.com/cinemizer.

Operating the Battery Box

On/Off Switch and Automatic Shutoff

Switch the video glasses on or off by pressing and holding the Power On/Off button for approx. 2 seconds. The video glasses shut-off automatically after two minutes if a video signal is not detected.



Mode LEDs

These display whether 2D or 3D mode is currently activated.

Video In

The video glasses can also be operated with other devices via the PAL/NTSC Video Out port (e.g. multimedia player, DVD player or game console) using a video cable which is not included. You can purchase the appropriate video cable from your specialist shop. If another device is connected via the Video Out port, an iPod with video must not be connected. A separately available 4-pin, 3.5 mm A/V phone jack, which is connected to Video In, is required to connect the device to the battery box. (For detailed information on the required cables, please refer to the technical specifications or visit the cinemizer website at www.zeiss.com/cinemizer)

Mini USB Port

You can charge the battery of the video glasses and the battery of an iPod with video connected to the video glasses on the computer using the Mini USB cable. An additional USB power adapter (not supplied) allows charging without a computer. Most of the available power adapters for the iPod with video can generally also be used to charge the video glasses.

Reset Button

If the glasses do not function as described in this manual, you can reset them by pressing the Reset button. Use the end of a bent-open paper clip or

a thin pin to briefly press the button behind the small opening on the left next to the Power On/Off button.

Battery

The battery life for a fully charged battery is generally 4 hours depending on how it is used. The actual battery life depends on the image brightness and the selected video mode. You can use the device while charging it. The battery of the video glasses can also supply the iPod with video with power when its battery runs low. However, this reduces the total life of the video glasses' battery. When the battery is charged while an iPod is connected, the iPod's battery will also be charged. A minimum of 2.5 hours is required for charging.

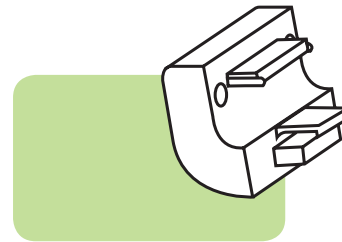
Charging Status LED

The charging status LED displays the current charge status:

Battery charged: LED is on when Mini USB is connected
LED is off when there is no charging activity

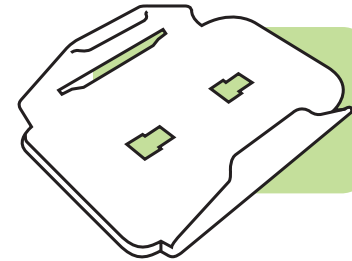
Charging status low: LED blinks rapidly (two times per second)

Battery is charging: LED blinks slowly (once every 2 seconds)



iPod Connector

The iPod Connector is a special adapter which allows you to easily connect every video-capable iPod to the battery box of the video glasses without an additional cable. It is simply plugged into the battery box.



iPod Clips

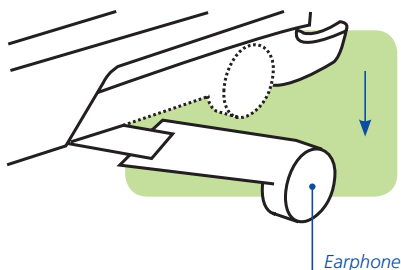
The adapter clips for iPod with video, iPod nano (3rd generation), iPod classic and iPod touch allow you to attach your video-capable iPod to the battery box. The iPod Clips are easily clipped onto the battery box.



Changing the Nose Pad

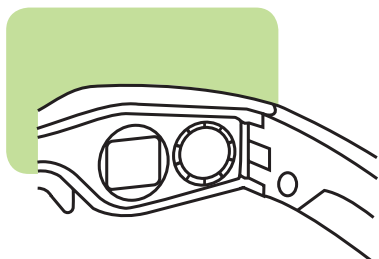
The image quality is largely dependent on the correct fit of the video glasses. The video glasses have 2 exchangeable nose pads to help you achieve the best possible fit. However, due to anatomical differences, a correct view into the video glasses may not always be possible. If the upper or lower edge of the image is cut off while viewing, simply change the nose pad. It easily clicks in or out.

Adjusting the Earphones and Earpieces



You can adjust each earphone's inclination and length individually to fit each ear. Put on the video glasses with retracted earpiece ends and then adjust these individually to fit your head. A locking mechanism holds them in the selected position. The earpiece ends can be adjusted further to achieve the most comfortable position on your nose (further up or down).

Adjusting the Diopter Settings



The video glasses feature a diopter setting of ± 3.5 D for each eye to accommodate wearers of glasses and contact lens. To adjust, turn on the video glasses and press and hold the Play/Pause button for 5 seconds until the test picture appears. This function is only available without an iPod connected. Then turn the small wheel until the picture is sharply focused. While adjusting the settings for one eye, keep the other eye closed to ensure correct adjustment.

Using the cinemizer with an iPod

cinemizer is compatible with iPod touch, iPod classic, iPod with video, and iPod nano (3rd generation).

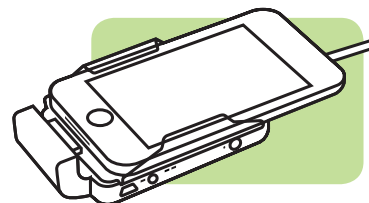
Step 1

Fit the appropriate iPod Clip for your iPod onto the battery box of the video glasses.



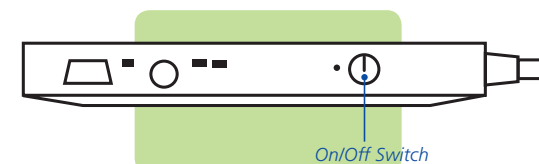
Step 2

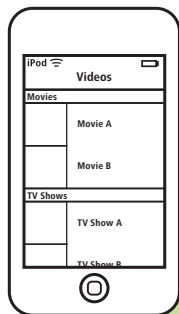
Latch your iPod onto the iPod connector of the battery box.



Step 3

Turn on the video glasses by pressing the Power On/Off button on the battery box.





Step 4

Turn on your iPod, and wait until TV Out (or TV signal) is automatically enabled on your iPod. There may be a 5 second delay before the video glasses detect the iPod. During the detection process, the two red LEDs on the battery box will flash.

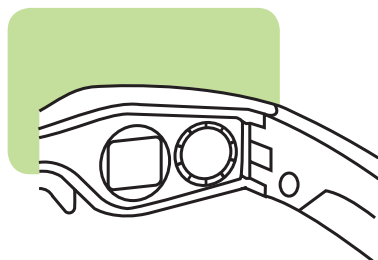
Step 5

Put the video glasses on.



Step 6

Adjust the diopter setting to your vision if you wear glasses or contact lenses.

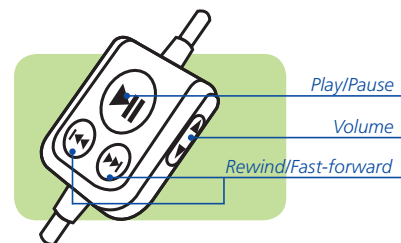


Step 7

Adjust the earphones and the earpieces and replace the nose piece if necessary.

Step 8

Choose and start a video on your iPod. You can use a remote control as soon as the video starts.



Sit back and enjoy your first mobile cinema experience.

Using the cinemizer with other Devices

Video In

The video glasses can also be operated with other devices via the PAL/NTSC Video Out port (e.g. multimedia player, DVD player or game console) using a cable. This will only work if an iPod is not connected. You can purchase the appropriate video cable from your specialist shop. A 4-pin, 3.5 mm A/V phone jack, which is connected to Video In, is required to connect the device to the battery box. (For detailed information on the required cables, please refer to the technical specifications or visit the cinemizer website at www.zeiss.com/cinemizer).

Support, Tips and Troubleshooting

Support

An overview of dealers authorized to repair the video glasses is available at:
www.zeiss.de/cinemizer

Resetting the cinemizer

If the glasses do not function as expected, you can reset them by pressing the Reset button. Use the end of a bent-open paper clip or a thin pin to briefly press the button behind the small opening on the left next to the Power On/Off button.

Resetting the iPod

If your iPod freezes, read the additional troubleshooting options in the documentation that came with your iPod.

Technical Specifications

Light source: LED class 1

Power supply: Internal battery (rechargeable, lithium-ion), Charging voltage: supply voltage from USB connection or external charger, feed via accompanying USB cable (plug type A to plug type mini B)

Voltage: 5V (6V max.)

Current consumption: 450mA (max. 500mA) on average

Charging time: 2.5 hours on average

USB specifications: USB 2.0

Housing:

Material: TR90 (Polyarylamid),

Protection class IP40

Weight: Battery box approx. 80g,

Glasses approx. 115g, Approx. 900 g including packaging and accessories

Connections:

USB port type Mini B (5-pin)) to charge the battery

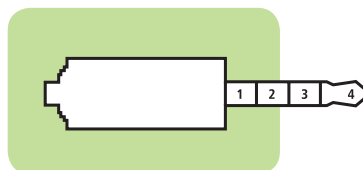
AV plug 3.5 mm (4-pin, see drawing) to connect an external video source

Environmental conditions:

Operation at 5 to 45 °C,

Storage and transport at -20 to 45 °C

Relative humidity: 10–90 %, non-condensing



pin1 = GND/Common

pin2 = Video

pin3 = Audio Right

pin4 = Audio Left

Warranty

This product is subject to the legal warranty requirements of 24 months applicable in the EU. There is a 6-month warranty on the battery. This can vary from country to country.

Compatible with iPod touch, iPod classic, iPod with video, and iPod nano (3rd generation). Multimedia players, DVD players, and game consoles are also supported.



“Made for iPod” logo means that an electronic accessory has been designed to connect to an iPod and has been certified by the developer to meet Apple performance standards. Apple is not responsible for the operation of this device or its compliance with safety and regulatory standards. iPod is a trademark of Apple Inc., registered in the U.S. and other countries.

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Made in Singapore

cinemizer™

Carl Zeiss AG

Carl-Zeiss-Strasse 22

73447 Oberkochen

Germany

www.zeiss.com/cinemizer

